

The Lighting Solution for Optimal Growth

The TSRgrow TG800 is an 800W multi-channel spectrum light fixture built for high-performance commercial cultivation. Its slim, low-profile design is ideal for vertical racking and low-ceiling environments. Engineered to reduce wasted energy and heat, the TGL800 delivers powerful full-spectrum output with precise DLI control. No on-board ballasts allow for unlimited flexibility in layout design and remove the heat from the grow room, resulting in easy installation, simplified maintenance and overall unparalleled performance and control.

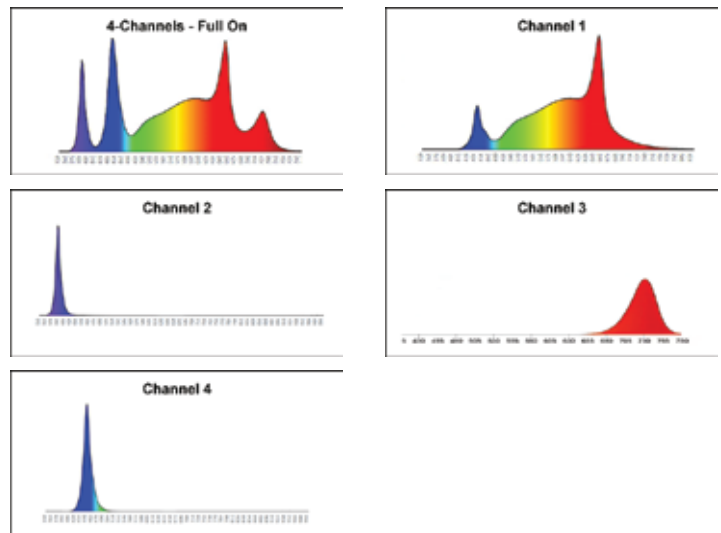


TG-800HVM-WL4-8R

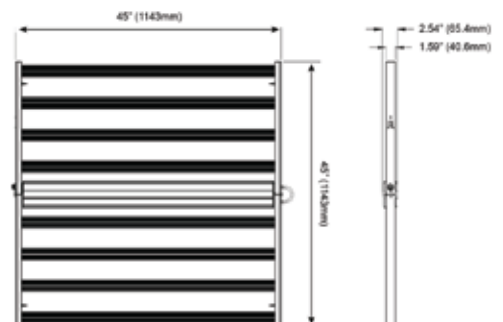
For Vertical Farming, Greenhouses and Indoor Growing
 Greenhouse: Top Light, Supplemental, Other
 Indoor: Stacked and Non-Stacked, Top Light, Supplemental, Sole-Source, Other

Spectrum	Multi-Channel
PPF	2240 μ mol/s
Input Power	0-800W
Input Voltage	250V DC
Weight	22 lbs.
Efficacy	2.8 μ mol/J
Dimming & Control	RS485 Dim to Off
Connectors	Quick Disconnect
Integral Control	Energy Monitoring
Operating Temperature	-50°C to 40°C
Max. Operating Temperature	40°C
Thermal Management	Passive
Lifetime	Q90 >50,000 hrs
Certifications	UL8800, ETL
Heat Output	up to 2730 BTU/hr
Warranty	5 Years

- + Four Channels adapt light output to plant needs throughout growth cycle
- + GROWHub Centralized Control Platform
- + Custom Lighting Recipes
- + Daisy Chain - Easy Plug 'N Play
- + Unlimited Zone and Recipe Control
- + Highly Efficient and Cost Effective
- + No Local On Fixture Driver



TECHNICAL DIAGRAM



+Suggested Wiring Size

Wire Distance Chart			
Up to 150'	Up to 250'	Up to 350'	Up to 500'
12 Awg	10 Awg	8 Awg	6 Awg

Real Time Monitoring, Analytics and Crop Steering with GROWHub



Unlimited zone mapping and light control - even when connected to 3rd party control systems

Detailed power monitoring of building, rooms and zones

Full control and monitoring over lighting and power for consistent quality yields every time. Manage, track and control every fixture and zone in your grow.

Software monitoring and control intelligence for cultivation optimization to minimize operating costs while providing crop to crop historical comparisons for growing consistency.

Lighting as a Platform (LaaP)

- + Lighting as a service, the right amount at the right time
- + Set and automate your growing profiles. Remote monitoring, no more wondering
- + Build your financial model on consistent production and quality with TSRgrow distributed LED lighting solutions
- + Centralized operation and maintenance outside the grow area, no contamination or disruption to schedules
- + GROWHub Maintains 24x7 Crop Recipe for Consistent Production and Yields

High Voltage Remote Driver

Ideal for large scale growing

Power Factor	>0.95
Efficiency	94%
Input Voltage	208-480 VAC
Output Modules	8
Output Power	24 K (3KW / Module)
Location	Outside Grow Room
Output Power	HVDC
Dimming & Control Methods	0-10V, PoE, Ethernet
Connectors & Transmission Hardware	RJ11, RJ12, RJ45, Quick Disconnect, Flying Leads, Terminal Block, USB
Integral Control Capabilities	Energy Monitoring, Dimming: 0-100%
Local and Cloud Control	Yes
Scheduling	Yes
Monitoring	Yes
DLI Control	Yes

